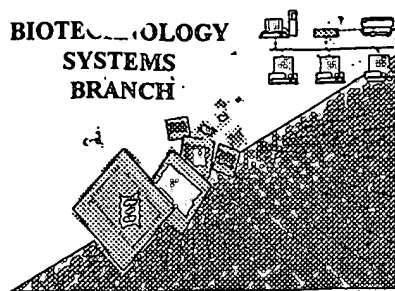


# RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,344

Source: PCT/09

Date Processed by STIC: 7/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/889344

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length.      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i)      SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

PCT09

## RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/889,344

TIME: 19:16:25

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

4 <110> APPLICANT: SMITHKLINE BEECHAM CORPORATION  
 7 <120> TITLE OF INVENTION: Method of Site Specific Labeling of  
 8 Proteins and Uses Therefor  
 11 <130> FILE REFERENCE: P50892  
 13 <140> CURRENT APPLICATION NUMBER: US/09/889,344  
 14 <141> CURRENT FILING DATE: 2001-07-16  
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/01481  
 17 <151> PRIOR FILING DATE: 2000-01-20  
 19 <150> PRIOR APPLICATION NUMBER: US 60/117,327  
 20 <151> PRIOR FILING DATE: 1999-01-22  
 22 <160> NUMBER OF SEQ ID NOS: 16  
 24 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 5  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: site-specific labeling sequence  
 34 <400> SEQUENCE: 1  
 W--> 35 Gln Ser Lys Val Xaa  
 36 1  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 207  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Site-specific labeling sequence where positions  
 45 (1) and (7) can be selected from 0 to 100  
 47 <400> SEQUENCE: 2  
 W--> 48 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 49 1 5 10 15  
 W--> 50 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 51 20 25 30  
 W--> 52 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 53 35 40 45  
 W--> 54 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 55 50 55 60  
 W--> 56 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 57 65 70 75 80  
 W--> 58 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 59 85 90 95  
 W--> 60 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 61 100 105 110  
 W--> 62 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 63 115 120 125  
 W--> 64 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 65 130 135 140

pp 1-2  
 Does NOT Comply  
 Corrected Diskette Needed

FYI: see  
 item 5  
 on Ena  
 summary  
 sheet, if  
 variable  
 length is  
 implied

## RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/889,344

TIME: 19:16:25

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

W--> 66 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
67 145 150 155 160  
W--> 68 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
69 165 170 175  
W--> 70 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
71 180 185 190  
W--> 72 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
73 195 200 205  
75 <210> SEQ ID NO: 3  
76 <211> LENGTH: 207  
77 <212> TYPE: PRT  
78 <213> ORGANISM: Artificial Sequence  
80 <220> FEATURE:  
81 <223> OTHER INFORMATION: Site-specific labeling sequence where locations  
82 (1) and (7) can be selected from 0 to 100.  
84 <400> SEQUENCE: 3  
W--> 85 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
86 1 5 10 15  
W--> 87 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
88 20 25 30  
W--> 89 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
90 35 40 45  
W--> 91 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
92 50 55 60  
W--> 93 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
94 65 70 75 80  
W--> 95 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
96 85 90 95  
W--> 97 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
98 100 105 110  
W--> 99 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
100 115 120 125  
W--> 101 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
102 130 135 140  
W--> 103 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
104 145 150 155 160  
W--> 105 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
106 165 170 175  
W--> 107 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
108 180 185 190  
W--> 109 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
110 195 200 205  
112 <210> SEQ ID NO: 4  
113 <211> LENGTH: 10  
114 <212> TYPE: PRT  
115 <213> ORGANISM: Artificial Sequence  
117 <220> FEATURE:  
118 <223> OTHER INFORMATION: Derivative of a factor XIII substrate  
120 <400> SEQUENCE: 4

see

items 9 and  
5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,344

DATE: 07/27/2001

TIME: 19:16:25

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

```

121  Leu Ser Leu Ser Gln Ser Lys Val Leu Gly
122    1             5             10
124 <210> SEQ ID NO: 5
125 <211> LENGTH: 10
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
132 <400> SEQUENCE: 5
133  Ile Gly Glu Gly Gln Ser Lys Val Leu Gly
134    1             5             10
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 10
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
144 <400> SEQUENCE: 6
145  Leu Gly Pro Gly Gln Ser Lys Val Ile Gly
146    1             5             10
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 81
150 <212> TYPE: DNA
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
156 <400> SEQUENCE: 7
157  tgtacctcag accatatgag cctgtccctg tccagtcoca aagttctgcc ggggtccgagc      60
158  actatcgaag aacgcgttaa g                                     81
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 37
162 <212> TYPE: DNA
163 <213> ORGANISM: Unknown
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
168 <400> SEQUENCE: 8
169  tgatgtcagt caagcttacg cctggtggcc gttgatg                                     37
171 <210> SEQ ID NO: 9
172 <211> LENGTH: 14
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
179 <400> SEQUENCE: 9
180  Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
181    1             5             10
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 37
185 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/889,344

TIME: 19:16:25

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

```

186 <213> ORGANISM: Unknown
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
191 <400> SEQUENCE: 10
192   tgtacctcag accatatgag cactatcgaa gaacgcg                               37
194 <210> SEQ ID NO: 11
195 <211> LENGTH: 78
196 <212> TYPE: DNA
197 <213> ORGANISM: Unknown
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
202 <400> SEQUENCE: 11
203   tgatgtcagt caagcttacg gacccggcag aactttggac tgggacaggg acagcgcctg       60
204   gtggccgttg atgtaatc                                                    78
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 12
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Derivative of E. coli ACP protein
214 <400> SEQUENCE: 12
215   Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
216   1           5                               10
218 <210> SEQ ID NO: 13
219 <211> LENGTH: 92
220 <212> TYPE: DNA
221 <213> ORGANISM: Unknown
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
225   Streptococcus haemophilus FabH gene
227 <400> SEQUENCE: 13
228   tatcatatga gcctgtccct gtcccagtc aaagttctgc cgggtccggg taccctcgag       60
229   ggatccgctt ttgcaaaaat aagtcagggt gc                                    92
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 53
233 <212> TYPE: DNA
234 <213> ORGANISM: Unknown
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
238   Streptococcus haemophilus FabH gene
240 <400> SEQUENCE: 14
241   ctcatatctg agctcactag tggatcctta aattgtaaga atgagcgtgc ccc             53
243 <210> SEQ ID NO: 15
244 <211> LENGTH: 364
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Modified sequence of Streptococcus haemophilus FabH
251 <400> SEQUENCE: 15

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,344

DATE: 07/27/2001

TIME: 19:16:25

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

```

252 Met Gly His His His His His His His His His Ser Ser Ser
253 1 5 10 15
254 Ile Glu Gly Arg His Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu
255 20 25 30
256 Pro Gly Pro Gly Thr Leu Glu Gly Ser Ala Phe Ala Lys Ile Ser Gln
257 35 40 45
258 Val Ala His Tyr Val Pro Glu Gln Val Val Thr Asn His Asp Leu Ala
259 50 55 60
260 Gln Ile Met Asp Thr Asn Asp Glu Trp Ile Ser Thr Thr Gly Ile
261 65 70 75 80
262 Arg Gln Arg His Ile Ser Arg Thr Glu Ser Thr Ser Asp Leu Ala Thr
263 85 90 95
264 Glu Val Ala Lys Lys Leu Met Ala Lys Ala Gly Ile Thr Gly Lys Glu
265 100 105 110
266 Leu Asp Phe Ile Ile Leu Ala Thr Ile Thr Pro Asp Ser Met Met Pro
267 115 120 125
268 Ser Thr Ala Ala Arg Val Gln Ala Asn Ile Gly Ala Asn Lys Ala Phe
269 130 135 140
270 Ala Phe Asp Leu Thr Ala Ala Cys Ser Gly Phe Val Phe Ala Leu Ser
271 145 150 155 160
272 Thr Ala Glu Lys Phe Ile Ala Ser Gly Arg Phe Gln Lys Gly Leu Val
273 165 170 175
274 Ile Gly Ser Glu Thr Leu Ser Lys Ala Val Asp Trp Ser Asp Arg Ser
275 180 185 190
276 Thr Ala Val Leu Phe Gly Asp Gly Ala Gly Gly Val Leu Leu Glu Ala
277 195 200 205
278 Ser Glu Gln Glu His Phe Leu Ala Glu Ser Leu Asn Ser Asp Gly Ser
279 210 215 220
280 Arg Ser Glu Cys Leu Thr Tyr Gly His Ser Gly Leu His Ser Pro Phe
281 225 230 235 240
282 Ser Asp Gln Glu Ser Ala Asp Ser Phe Leu Lys Met Asp Gly Arg Thr
283 245 250 255
284 Val Phe Asp Phe Ala Ile Arg Asp Val Ala Lys Ser Ile Lys Gln Thr
285 260 265 270
286 Ile Asp Glu Ser Pro Ile Glu Val Thr Asp Leu Asp Tyr Leu Leu Leu
287 275 280 285
288 His Gln Ala Asn Asp Arg Ile Leu Asp Lys Met Ala Arg Lys Ile Gly
289 290 295 300
290 Val Asp Arg Ala Lys Leu Pro Ala Asn Met Met Glu Tyr Gly Asn Thr
291 305 310 315 320
292 Ser Ala Ala Ser Ile Pro Ile Leu Leu Ser Glu Cys Val Glu Gln Gly
293 325 330 335
294 Leu Ile Pro Leu Asp Gly Ser Gln Thr Val Leu Leu Ser Gly Phe Gly
295 340 345 350
296 Gly Gly Leu Thr Trp Gly Thr Leu Ile Leu Thr Ile
297 355 360
299 <210> SEQ ID NO: 16
300 <211> LENGTH: 503
301 <212> TYPE: PRT

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,344

DATE: 07/27/2001

TIME: 19:16:26

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:35 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
L:35 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:48 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:48 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:50 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:50 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:52 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:52 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:54 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:54 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:56 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:56 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:58 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:58 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:60 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:60 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:62 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:62 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:64 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:64 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:66 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:66 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:68 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:68 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:70 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:70 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:72 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:72 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:85 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:85 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:87 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:87 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3



## VERIFICATION SUMMARY

DATE: 07/27/2001

PATENT APPLICATION: US/09/889,344

TIME: 19:16:26

Input Set : A:\USSEQLIST.TXT

Output Set: N:\CRF3\07272001\I889344.raw

L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:89 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:89 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:91 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:91 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:93 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:93 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:95 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:95 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:97 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:97 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:99 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:99 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:101 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:101 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:103 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:103 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:105 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:105 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3